## **Abstract**

An automated immunostaining apparatus having a reagent application zone and a reagent supply zone. The apparatus has a carousel slide support supporting a plurality of slide supports thereon, and drive engaging the carousel slide support for consecutively positioning each of a plurality of slide supports in the reagent application zone. The apparatus also has a carousel reagent support having a plurality of reagent container supports thereon, and drive engaging the carousel for rotating the carousel and positioning a preselected reagent container support in the reagent supply zone. The apparatus also has a reagent delivery actuator positioned for engaging a reagent container positioned on a container support in the reagent delivery zone and initiating reagent delivery from the reagent container to a slide supported on a slide support in the reagent receiving zone.

## IN THE CLAIMS:

Please delete claims 74, 75, 78, 79, 88, 92, 93, and 95-97. Please amend claims 72, 73, 76, 80-87, 94 and 98 as follows:

72. (Amended) In a method for automatically staining a biological sample, the biological sample being on a support medium and substantially covered by a first aqueous solution, and an evaporation-inhibiting liquid phase covering the first aqueous solution, the improvement comprising: